Claims

[0069] What is claimed is:

1	1. A multi-projector display system for displaying an image including at
2	least one window, comprising:
3	a window projector, for displaying, at a display location, a portion of the
1.	image corresponding to a movable window;
5	a workspace projector, for displaying the remainder of the image; and
5	a control mechanism, coupled to the window projector, for changing at
7	least one of the display location and the size of the window por

2. The display system of claim 1, wherein the control mechanism changes the at least one of the display location and the size of the window portion of the image in response to a user command.

tion of the image.

3. The display system of claim 1, wherein the control mechanism changes the display location of the window portion of the image in response to a user command for moving the window.

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- 4. The display system of claim 1, wherein the control mechanism changes
- the display location of the window portion of the image in response to activation
- 3 of the window.
- 5. The display system of claim 1, wherein:
- the window projector displays the window portion of the image at a first
- level of resolution; and
- 4 the workspace projector displays the remainder of the image at a second
- 5 level of resolution.
- 6. The display system of claim 5, wherein the first level of resolution is
- 2 greater than the second level of resolution.
- 7. The display system of claim 1, wherein:
- the window projector displays the window portion of the image in a first
- 3 visual format; and
- 4 the workspace projector displays the remainder of the image in a second
- visual format;
- wherein the first visual format is distinct from the second visual format.

- 8. The display system of claim 7, wherein the first visual format is color and the second visual format is monochrome.
- 9. The display system of claim 1, wherein the window projector displays a motion picture in the window portion of the image.
- 10. The display system of claim 1, wherein the window projector and the workspace projector are coupled to a common image source.
- 11. The display system of claim 1, wherein the window projector is coupled to a first image source, and the workspace projector is coupled to a second image source.
- 1 12. The display system of claim 1, wherein the image includes a plurality
 2 of windows, one of the windows currently having focus, and wherein the win3 dow projector displays the portion of the image corresponding to the window
 4 having focus.
- 1 13. The display system of claim 12, wherein, in response to a user com-2 mand changing focus to a second one of the windows:

- 3 the window projector displays, at a display location for the second win-
- dow, a portion of the image corresponding to the second win-
- 5 dow; and
- the workspace projector displays the remainder of the image.
- 14. The display system of claim 1, wherein the workspace projector dis-
- 2 plays the remainder of the image while leaving blank an area of the image corre-
- 3 sponding to the display location of the window.
- 15. The display system of claim 14, wherein, the workspace projector per-
- forms at least one of moving and resizing the blank area of the image so as to
- 3 correspond to the changed at least one of the display location and size of the win-
- 4 dow.
- 16. The display system of claim 1, wherein the control mechanism
- 2 changes the display location of the window portion of the image by repositioning
- 3 the window projector.
- 17. The display system of claim 1, further comprising a mirror for direct-
- ing the output of the window projector to the display location, and wherein the
- 3 control mechanism changes the display location of the window portion of the
- 4 image by repositioning the mirror.

- 18. The display system of claim 1, wherein the control mechanism
- 2 changes the size of the window portion of the image in response to a user com-
- 3 mand for resizing the window.
- 19. The display system of claim 1, wherein the control mechanism com-
- 2 prises:
- a pan/tilt control mechanism; and
- 4 a zoom control mechanism.
- 20. A multi-projector display system for displaying an image including at
- 2 least two windows, comprising:
- a plurality of window projectors, each for displaying, at a display location,
- a portion of the image corresponding to a window;
- a workspace projector, for displaying the remainder of the image; and
- at least one control mechanism, coupled to the window projectors, for
- 7 changing at least one of the display locations and the sizes of the
- 8 window portions of the image.
- 1 21. The display system of claim 20, wherein the at least one control
- 2 mechanism changes the at least one of the display locations and the sizes of the
- window portions of the image in response to user commands.

- 22. A multi-projector display system for displaying an image including at
 least one window, comprising:
 a window projector, for displaying, at a display location, a portion of the
 image corresponding to a window;
 a plurality of workspace projectors, for collectively displaying the remainder of the image; and
 at least one control mechanism, coupled to the window projector, for
 changing at least one of the display location and the size of the
- 23. The display system of claim 22, wherein the at least one control mechanism changes the at least one of the display location and the size of the window portion of the image in response to a user command.

window portion of the image.

- 24. The display system of claim 22, wherein the window projector displays the portion of the image corresponding to a window without any visible seams.
- 25. A multi-projector display system for displaying an image including at least one window, comprising:

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3	a plurality of window projectors, each for displaying, at a display location,
4	a portion of the image corresponding to a window;
5	a plurality of workspace projectors, for collectively displaying the re-
6	mainder of the image; and
7	at least one control mechanism, coupled to the window projectors, for
8	changing at least one of the display locations and the sizes of the
9	window portions of the image.
1	26. The display system of claim 25, wherein the at least one control
2	mechanism changes the at least one of the display locations and the sizes of the

27. A display system for displaying an image including at least one window, comprising:

window portions of the image in response to user commands.

- a display device, for displaying a portion of the image omitting an area
 corresponding to a window;
 a window projector, for projecting onto the display device, at a display lo-
- cation corresponding to the area omitted by the display device,

 the portion of the image corresponding to the area omitted by

 the display device;

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9	a mechanism, coupled to the window projector, for changing at least one
10	of the display location and the size of the display location of the
11	window portion of the image.

- 28. The display system of claim 27, wherein the control mechanism
 changes the at least one of the display location and the size of the window portion of the image in response to a user command.
- 29. A multi-projector display system for displaying an image, comprising: 1 at least one regional image source, each for providing a portion of the im-2 age corresponding to a display region; 3 a workspace image source, for providing the remainder of the image; 4 at least one regional projector, each coupled to a regional image source, 5 each for displaying the provided portion of the image at the display region; 7 a workspace projector, coupled to the workspace image source, for 8 displaying the remainder of the image; and at least one control mechanism, coupled to the at least one regional projec-10
- 30. A multi-projector display method for displaying an image including at least one window, comprising:

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tor, for changing the location of the at least one display region.

- displaying, by a window projector, at a display location, a portion of the image corresponding to a window;
- displaying, by a workspace projector, the remainder of the image; and changing at least one of the display location and the size of the display location of the window portion of the image.
- 31. The display method of claim 30, wherein changing the at least one of the display location and the size comprises changing the at least one of the display location and the size in response to a user command.
- 32. The display method of claim 30, wherein changing the at least one of the display location and the size comprises changing the display location in response to a user command for moving the window.
- 33. The display method of claim 30, wherein changing the at least one of the display location and the size comprises changing the display location in response to activation of the window.
- 34. The display method of claim 30, wherein:
- displaying the window portion of the image comprises displaying the
 window portion of the image at a first level of resolution; and

- displaying the remainder of the image comprises displaying the remainder of the image at a second level of resolution.
- 35. The display method of claim 34, wherein the first level of resolution is greater than the second level of resolution.
- 36. The display method of claim 30, wherein:
- displaying the window portion of the image comprises displaying the
- window portion of the image in a first visual format; and
- displaying the remainder of the image comprises displaying the remain-
- der of the image in a second visual format;
- 6 wherein the first visual format is distinct from the second visual format.
- 37. The display method of claim 36, wherein the first visual format is color and the second visual format is monochrome.
- 38. The display method of claim 30, wherein displaying a portion of the
- image corresponding to a movable window comprises displaying a motion pic-
- 3 ture in the window portion of the image.
- 39. The display method of claim 30, wherein the image includes a plural-
- ity of windows, one of the windows currently having focus, and wherein dis-

- 3 playing a portion of the image corresponding to a window comprises displaying
- the portion of the image corresponding to the window having focus.
- 1 40. The display method of claim 39, further comprising, in response to a
- 2 user command changing focus to a second one of the windows:
- displaying, by the window projector, at a display location for the second
- 4 window, a portion of the image corresponding to the second
- 5 window; and
- displaying, by the workspace projector, the remainder of the image.
- 1 41. The display method of claim 30, wherein displaying the remainder of
- 2 the image comprises leaving blank an area of the image corresponding to the
- 3 display location of the window.
- 1 42. The display method of claim 41, further comprising, in response to the
- 2 user command for moving the window, moving the blank area of the image so as
- 3 to correspond to the changed display location of the window.
- 1 43. The display method of claim 30, wherein changing the display loca-
- 2 tion of the window portion of the image comprises repositioning the window
- 3 projector.

- 1 44. The display method of claim 30, wherein changing the display loca-
- 2 tion of the window portion of the image comprises repositioning a mirror.
- 45. The display method of claim 30, further comprising changing the size
- 2 of the window portion of the image in response to a user command for resizing
- 3 the window.